



IFWO

RAW SEQUENCE LISTING

DATE: 09/23/2004

PATENT APPLICATION: US/10/826,654

TIME: 12:39:47

Input Set : A:\20187pus.app

Output Set: N:\CRF4\09232004\J826654.raw

3 <110> APPLICANT: NADEAU, JAMES
 4 HELLYER, TOBIN
 5 BERGER, DOLORES
 6 NUSSBAUMER, WILLIAM
 7 ROSENSTEIN, ROBERT
 8 KUHN, ANDREW
 9 WANG, SHA SHA
 10 THORNTON, KEITH
 12 <120> TITLE OF INVENTION: IMMUNO-AMPLIFICATION
 14 <130> FILE REFERENCE: 020187.0208PTUS
 16 <140> CURRENT APPLICATION NUMBER: 10/826,654
 17 <141> CURRENT FILING DATE: 2004-04-19
 19 <150> PRIOR APPLICATION NUMBER: 60/463,712
 20 <151> PRIOR FILING DATE: 2003-04-18
 22 <160> NUMBER OF SEQ ID NOS: 33
 24 <170> SOFTWARE: PatentIn Ver. 3.2
 26 <210> SEQ ID NO: 1
 27 <211> LENGTH: 65
 28 <212> TYPE: DNA
 29 <213> ORGANISM: Artificial Sequence
 31 <220> FEATURE:
 32 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
 33 polynucleotide sequence
 35 <400> SEQUENCE: 1
 36 ccagtccttggt cttgtctggt ctcgggatgc attcagtgac gtgatgagct agacagatgt 60
 37 acagt 65
 40 <210> SEQ ID NO: 2
 41 <211> LENGTH: 62
 42 <212> TYPE: DNA
 43 <213> ORGANISM: Artificial Sequence
 45 <220> FEATURE:
 46 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
 47 polynucleotide sequence
 49 <400> SEQUENCE: 2
 50 ccagtccttggt cttgtctggt ctcgggatgc attcagtgac gtgatgagct agacagatgt 60
 51 ac 62
 54 <210> SEQ ID NO: 3
 55 <211> LENGTH: 68
 56 <212> TYPE: DNA
 57 <213> ORGANISM: Artificial Sequence
 59 <220> FEATURE:
 60 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
 61 polynucleotide sequence

(ps.6)

ENTERED

RAW SEQUENCE LISTING

DATE: 09/23/2004

PATENT APPLICATION: US/10/826,654

TIME: 12:39:47

Input Set : A:\20187pus.app

Output Set: N:\CRF4\09232004\J826654.raw

```

63 <220> FEATURE:
64 <221> NAME/KEY: misc_feature
65 <222> LOCATION: (67)
66 <223> OTHER INFORMATION: biotin labeled
68 <400> SEQUENCE: 3
69 ccagtcttgt cttgtctgtt ctctgggatgc attcagtgac gtgatgagct agacagatgt 60
70 actttttt 68
73 <210> SEQ ID NO: 4
74 <211> LENGTH: 49
75 <212> TYPE: DNA
76 <213> ORGANISM: Artificial Sequence
78 <220> FEATURE:
79 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
80 polynucleotide sequence
82 <400> SEQUENCE: 4
83 attcacgctt ccattccatg tctcggggtt acttcatctg caactgtac 49
86 <210> SEQ ID NO: 5
87 <211> LENGTH: 51
88 <212> TYPE: DNA
89 <213> ORGANISM: Artificial Sequence
91 <220> FEATURE:
92 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
93 polynucleotide sequence
95 <400> SEQUENCE: 5
96 attcacgctt ccattccatg tctcggggtt acttcatctg caactgtaca t 51
99 <210> SEQ ID NO: 6
100 <211> LENGTH: 55
101 <212> TYPE: DNA
102 <213> ORGANISM: Artificial Sequence
104 <220> FEATURE:
105 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
106 polynucleotide sequence
108 <400> SEQUENCE: 6
109 attcacgctt ccattccatg tctcggggtt acttcatctg caactgtaca tctgt 55
112 <210> SEQ ID NO: 7
113 <211> LENGTH: 57
114 <212> TYPE: DNA
115 <213> ORGANISM: Artificial Sequence
117 <220> FEATURE:
118 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
119 polynucleotide sequence
121 <400> SEQUENCE: 7
122 attcacgctt ccattccatg tctcggggtt acttcatctg caactgtaca tctgtct 57
125 <210> SEQ ID NO: 8
126 <211> LENGTH: 53
127 <212> TYPE: DNA
128 <213> ORGANISM: Artificial Sequence
130 <220> FEATURE:
131 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic

```

RAW SEQUENCE LISTING

DATE: 09/23/2004

PATENT APPLICATION: US/10/826,654

TIME: 12:39:47

Input Set : A:\20187pus.app

Output Set: N:\CRF4\09232004\J826654.raw

```

132     polynucleotide sequence
134 <400> SEQUENCE: 8
135 attcacgctt ccattccatg tctcggggtt acttcatctg caactgtaca tct      53
138 <210> SEQ ID NO: 9
139 <211> LENGTH: 39
140 <212> TYPE: DNA
141 <213> ORGANISM: Artificial Sequence
143 <220> FEATURE:
144 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
145     polynucleotide sequence
147 <400> SEQUENCE: 9
148 cgattcagct gcagacgatc tcgggatgca ttcagtgc      39
151 <210> SEQ ID NO: 10
152 <211> LENGTH: 41
153 <212> TYPE: DNA
154 <213> ORGANISM: Artificial Sequence
156 <220> FEATURE:
157 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
158     polynucleotide sequence
160 <400> SEQUENCE: 10
161 accgcacga atgactgtct cgggtttact tcatctgcaa c      41
164 <210> SEQ ID NO: 11
165 <211> LENGTH: 40
166 <212> TYPE: DNA
167 <213> ORGANISM: Artificial Sequence
169 <220> FEATURE:
170 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
171     polynucleotide sequence
173 <400> SEQUENCE: 11
174 acgttagcca ccatacggat agtgacgtga tgagctagac      40
177 <210> SEQ ID NO: 12
178 <211> LENGTH: 32
179 <212> TYPE: DNA
180 <213> ORGANISM: Artificial Sequence
182 <220> FEATURE:
183 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
184     polynucleotide sequence
186 <400> SEQUENCE: 12
187 acgttagcca ccatacggat gatgagctag ac      32
190 <210> SEQ ID NO: 13
191 <211> LENGTH: 34
192 <212> TYPE: DNA
193 <213> ORGANISM: Artificial Sequence
195 <220> FEATURE:
196 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
197     polynucleotide sequence
199 <400> SEQUENCE: 13
200 acgttagcca ccatacggat gtgacgtgat gagg      34
203 <210> SEQ ID NO: 14

```

RAW SEQUENCE LISTING

DATE: 09/23/2004

PATENT APPLICATION: US/10/826,654

TIME: 12:39:47

Input Set : A:\20187pus.app

Output Set: N:\CRF4\09232004\J826654.raw

```

204 <211> LENGTH: 32
205 <212> TYPE: DNA
206 <213> ORGANISM: Artificial Sequence
208 <220> FEATURE:
209 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
210     polynucleotide sequence
212 <400> SEQUENCE: 14
213 acgttagcca ccatacggat gatgagcatc tg                      32
216 <210> SEQ ID NO: 15
217 <211> LENGTH: 37
218 <212> TYPE: DNA
219 <213> ORGANISM: Artificial Sequence
221 <220> FEATURE:
222 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
223     polynucleotide sequence
225 <400> SEQUENCE: 15
226 agctatccgc cataagccat actcagagtg atcaagt                  37
229 <210> SEQ ID NO: 16
230 <211> LENGTH: 35
231 <212> TYPE: DNA
232 <213> ORGANISM: Artificial Sequence
234 <220> FEATURE:
235 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
236     polynucleotide sequence
238 <220> FEATURE:
239 <223> OTHER INFORMATION: see specification as filed for detailed description of
labels
240     and preferred embodiments
242 <400> SEQUENCE: 16
243 tagcgcccca gcgctacgtt agccaccata cggat                      35
246 <210> SEQ ID NO: 17
247 <211> LENGTH: 38
248 <212> TYPE: DNA
249 <213> ORGANISM: Artificial Sequence
251 <220> FEATURE:
252 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
253     polynucleotide sequence
255 <220> FEATURE:
256 <223> OTHER INFORMATION: see specification as filed for detailed description of
labels
257     and preferred embodiments
259 <400> SEQUENCE: 17
260 agttgccccg aggcaactag ctatccgcca taagccat                  38
263 <210> SEQ ID NO: 18
264 <211> LENGTH: 29
265 <212> TYPE: DNA
266 <213> ORGANISM: Artificial Sequence
268 <220> FEATURE:
269 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
270     polynucleotide sequence
272 <400> SEQUENCE: 18

```

RAW SEQUENCE LISTING

DATE: 09/23/2004

PATENT APPLICATION: US/10/826,654

TIME: 12:39:47

Input Set : A:\20187pus.app

Output Set: N:\CRF4\09232004\J826654.raw

```

273 ccgagaacag acaagacaag actggatat          29
276 <210> SEQ ID NO: 19
277 <211> LENGTH: 29
278 <212> TYPE: DNA
279 <213> ORGANISM: Artificial Sequence
281 <220> FEATURE:
282 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
283     polynucleotide sequence
285 <400> SEQUENCE: 19
286 cgagacatgg aatggaagcg tgaattttt          29
289 <210> SEQ ID NO: 20
290 <211> LENGTH: 35
291 <212> TYPE: DNA
292 <213> ORGANISM: Artificial Sequence
294 <220> FEATURE:
295 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
296     polynucleotide sequence
298 <400> SEQUENCE: 20
299 tttattttat cgagacatgg aatggaagcg tgaat          35
302 <210> SEQ ID NO: 21
303 <211> LENGTH: 50
304 <212> TYPE: DNA
305 <213> ORGANISM: Artificial Sequence
307 <220> FEATURE:
308 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
309     polynucleotide sequence
311 <220> FEATURE:
312 <223> OTHER INFORMATION: see specification as filed for detailed description of
labels
313     and preferred embodiments
315 <400> SEQUENCE: 21
316 cctgggtacga gtttctatcc taatgcatca cgagaacaga caagacaagt          50
319 <210> SEQ ID NO: 22
320 <211> LENGTH: 50
321 <212> TYPE: DNA
322 <213> ORGANISM: Artificial Sequence
324 <220> FEATURE:
325 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
326     polynucleotide sequence
328 <220> FEATURE:
329 <221> NAME/KEY: misc_feature
330 <222> LOCATION: (50)
331 <223> OTHER INFORMATION: 3'deoxyuridine
333 <400> SEQUENCE: 22
W--> 334 cttgtcttgt ctgttctcgt gatgcattag gatagaaact cgtaccaggn          50
337 <210> SEQ ID NO: 23
338 <211> LENGTH: 52
339 <212> TYPE: DNA
340 <213> ORGANISM: Artificial Sequence
342 <220> FEATURE:

```

RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/10/826,654

DATE: 09/23/2004
TIME: 12:39:48

Input Set : A:\20187pus.app
Output Set: N:\CRF4\09232004\J826654.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:22; N Pos. 50
Seq#:24; N Pos. 48
Seq#:25; N Pos. 19
Seq#:26; N Pos. 32
Seq#:27; N Pos. 35
Seq#:28; N Pos. 37
Seq#:29; N Pos. 27
Seq#:30; N Pos. 27

VERIFICATION SUMMARY

DATE: 09/23/2004

PATENT APPLICATION: US/10/826,654

TIME: 12:39:48

Input Set : A:\20187pus.app

Output Set: N:\CRF4\09232004\J826654.raw

L:334 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22 after pos.:0
L:365 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24 after pos.:0
L:383 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:25 after pos.:0
L:401 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26 after pos.:0
L:419 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:27 after pos.:0
L:437 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:28 after pos.:0
L:455 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:29 after pos.:0
L:473 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:30 after pos.:0